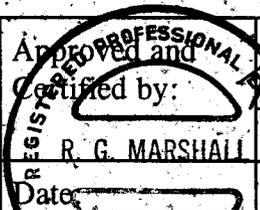


# Marstech Limited

11 Kelfield Street, Etobicoke, Ontario, Canada, M9W 5A1  
 Telephone (416) 246-1116, Fax (416) 246-1020

TEST REPORT		
REPORT DATE:	27 April 1999	REPORT NO: 99158D
CONTENTS:	See Table of Contents	
SUBMITTOR:	Radio Shack, a Division of Tandy Corporation 100 Throckmorton Street, Ste. #1300 Forth Worth, Texas 76102-280 USA	
SUBJECT:	Model No:	43-727 (XX)
	FCC ID:	AAO4300727
TEST SPECIFICATION:	FCC CFR 47 15.233 AND 2.989 Sections: 15.35, 15.107, 15.109, 15.207 and 15.209 NOTE: Tests Conducted Are "Type" Tests.	
TESTED WITH:	900 MHZ Cordless Telephone	
DATE SAMPLE RECEIVED:	7 April 1999	DATE TESTED: 19 April 1999
RESULTS:	Equipment tested complies with referenced specification.	
ALTERATIONS:	The following alterations required for compliance with referenced specification:	
Tested by:	Sanyo Electric Co. Ltd. and Marstech Limited	 Approved and Certified by: <i>Robert G. Marshall</i> R. G. MARSHALL, P. Eng. Date: <i>May 5/99</i>
<p><b>THIS REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF MARSTECH LIMITED.</b> This report was prepared by Marstech Limited for the account of the "Submitter". The material reflects Marstech's judgement in light of the information available to it at the time of preparation. Any use which a Third Party makes of this report, or any reliance on decisions to be made based on it, are the responsibility of such Third Parties. Marstech accepts no responsibility for damages, if any, suffered by any Third Party as a result of decisions made or actions based on this report.</p>		

Authorized by: Professional Engineer Ontario  
 Registered Professional Engineer  
 Engineering & Technology  
 Submission of Applications  
 Testing For FCC  
 Submitters' Applications  
 Approved Test Facility  
 Qualified Test Facility

TECHNICAL REPORT - FCC 2.1033(b)

Applicant

Radio Shack, A Division of Tandy Corporation  
100 Throckmorton Street, Ste. #1300  
Fort Worth, Texas  
76102-280 USA

FCC Identifier

AAO4300727

Manufacturer

Sanyo PT (M) Sdn. Bhd.  
Plentong Factory  
Lot 7646 Mukim of Plentong  
81750 Masai, Johor, Malaysia

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<u>Exhibit Description</u>	<u>FCC Ref.</u>	<u>Page</u>
A Installation and Operating Instructions Furnished to the User.	2.1033(b)(3)	Exhibit A Exhibit A(1)
B Description of Circuit Functions	2.1033(b)(4)	Exhibit B Exhibit B(1)-1 to -8
C Block Diagram Schematic Diagram	2.1033(b)(5)	Exhibit C Exhibit C(1)-1 to -4 Exhibit C(2)-1 to -7
D Report of Measurements Device Measured Test Facility and Equipment Test Results and Methods	2.1033(b)(6)	Exhibit D Exhibit D(1) Exhibit D(2)-1 to -4 Exhibit D(3)-1 to -35
E Photographs Label Equipment	2.1033(b)(7)	Exhibit E Exhibit E(1)-1 to -2 Exhibit E(2)-1 to -11

EXHIBIT D

(FCC Ref. 2.1033(b)(6))

"Report of Measurements"

EXHIBIT D(1)

DEVICE MEASURED

(FCC Ref. 2.1033(b)(6))

APPLICANT: Radio Shack, A Division of Tandy Corporation  
100 Throckmorton Street, Ste. #1300  
Fort Worth, Texas  
76102-280 USA

MANUFACTURER: Sanyo PT (M) Sdn. Bhd.  
Plentong Factory  
Lot 7646 Mukim of Plentong  
81750 Masai, Johor, Malaysia

FCC IDENTIFIER: AAO4300727

TRADE NAME: Radio Shack

MODEL NUMBER: 43-727 (XX)

SERIAL NO.: N/M

Marstech Limited  
11 Kelfield Street  
Etobicoke, Ontario  
M9W 5A1 CANADA

TECHNICIANS:  
Jim Sims  
Edward Chang

  
Robert G. Marshall, P. Eng.

Date: May 5/99

EXHIBIT D(2)

TEST FACILITY AND EQUIPMENT LIST

FACILITIES

- Radiated      ANSI C63.4 (FCC OET/55) open field 3 meter test range. This test range is protected from the cold and moisture by a non-conductive enclosure.
- Conducted     "Ace" double wall copper screen room.

EQUIPMENT

Anritsu 2601 A spectrum analyzer.  
Hewlett-Packard RF generator # 8640 B with an 002 doubler  
Hewlett-Packard 8449B Preamp. (30 dB) .. 1.0 MHz to 26.5 GHz  
A.H. Systems biconical antenna; ..... 20 MHz to 330 MHz  
A.H. Systems log periodic antenna; ..... 300 MHz to 1.8 GHz  
A.H. Systems log periodic antenna; ..... 1.0 GHz to 12.4 GHz  
Eaton dipole antennas; T1, T2, T3 ..... 25 MHz to 1.0 GHz  
Roberts dipole antennas; T1, T2, T3 & T4 25 MHz to 1.0 GHz  
Compliance Design P950 Preamp (16 dB) ... 25 MHz to 1.0 GHz  
Notch Filter; Model FIL01605001 ..... 30 dB at 920 MHz  
M/A-COM High Frequency Cable Assembly; No. 2026-0600

NOTE:

The Anritsu 2601 A spectrum analyzer is calibrated annually, and that calibration is directly traceable to the National Research Council of Canada (NRC). This equipment is only used by qualified technicians and only for the purpose of EMI measurements. The three meter test range has been carefully evaluated to the ANSI document C63.4 and will be remeasured for reflections and losses every three years.

# FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road  
Columbia, MD 21046  
Telephone: 301-725-1585 (ext-218)  
Facsimile: 301-344-2060

September 23, 1997

IN REPLY REFER TO  
31040/SIT  
1300F2

Electrohome Electronics Ltd  
809 Wellington Street, North  
Kitchener, Ontario N2G 4J6, Canada

Attention: Gerry Gallagher

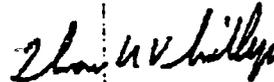
Re: Measurement facility located at Roseville  
(3 meter site)

Gentlemen:

Your submission of the description of the subject measurement facility has been reviewed and found to be in compliance with the requirements of Section 2.948 of the FCC Rules. The description has, therefore, been placed on file and the name of your organization added to the Commission's list of facilities whose measurement data will be accepted in conjunction with applications for certification or notification under Parts 15 or 18 of the Commission's Rules. Our list will also indicate that the facility complies with the radiated and AC line conducted test site criteria in ANSI C63.4-1992. Please note that this filing must be updated for any changes made to the facility, and at least every three years the data on file must be certified as current.

Per your request, the above mentioned facility has been also added to our list of those who perform these measurement services for the public on a fee basis. This list is published periodically and is also available on the Laboratory's Public Access Link as described in the enclosed Public Notice.

Sincerely,



Thomas W. Phillips  
Electronics Engineer  
Customer Service Branch

EXHIBIT D(2)

SPECTRUM ANALYZER -

ANRITSU MS2601A S/N MT64544 - NEXT  
CALIBRATION APRIL 2000

## RadioShack 43-727

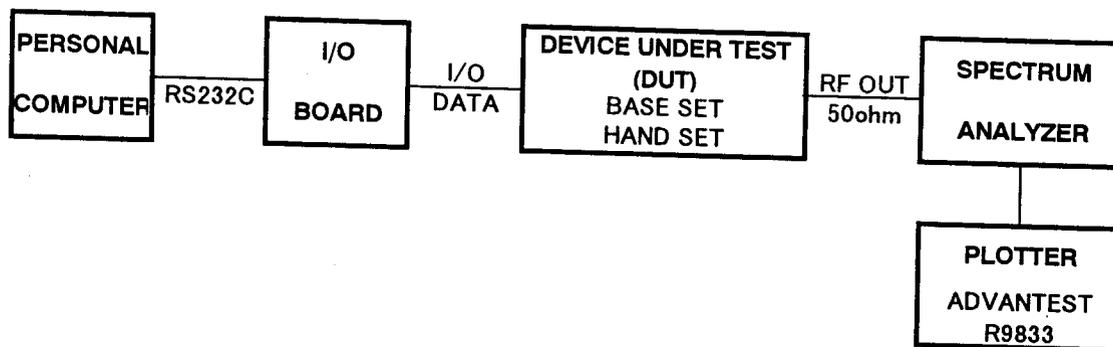


FIG.-1 FCC MEASUREMENT

PART 15.247(a)(2) BAND WIDTH  
 PART 15.247(b) POWER OUTPUT  
 PART 15.247(c) SPURIOUS EMISSIONS  
 PART 15.247(d) POWER SPECTRAL DENSITY

### TEST EQUIPMENT LIST

1. SPECTRUM ANALYZER	ADVANTEST R3265A S/N 55060130 ANRITSU MS2602A S/N MT27423
2. SIGNAL GENERATOR	HEWLETT-PACKARD #8664A S/N 3438A00763 ANRITSU MG3601A S/N M56447
3. RF ATTENUATOR	HEWLETT-PACKARD #8495A,8494A S/N 2748A14662
4. POWER COMBINER	ANRITSU Z164 S/N M13321